Partial fill insulation to be secured firmly against the innerleaf of the cavity wall.

Roadstone Thermal Liteblock 350

Partial fill Cavity Wall

U-Values vary, see appendix D of TGD part L 2011.

150x130mm Full fill closer with $\lambda = 0.021\,\text{W/m.K}$, $R = 7.14\,\text{m}^2\text{K}/\text{W}$ (continued to width of cavity)

DPC 440 x 215 x 100 Roadstone Standard Blocks 440 x 215 x 100 Roadstone Thermal Liteblock

Pre-stressed Concrete Lintel to Engineers specification

Roadstone Custom $\Psi$ Values

-0.005
0.004

U Value Range

Roadstone TLB $\Psi$ ($\Psi$) Value

Part L

All options pass Rrs assessment, as modelled by NSAI registered Thermal Modellers:

No surface condensation predicted. All options pass Rrs assessment. Recommended strategy: engineers specification (subject to architects approval).

As modelled by NSAI registered Thermal Modellers:

-0.007
0.001

0.21
0.15

Note:

Both the 0.21 U Value Range and the 0.15 U Value Range are acceptable and can be used in conjunction with the above table.

Ensure all gaps around and between lintels are tightly packed with insulation.

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Dwg. No.: DETAIL RS 1.23.1

Junction: PARTIAL FILL CAVITY WALL/OPE CONCRETE LINTELS

Date: May 2019

Revision: B

Scale: NTS

To be read in conjunction with y-value calculation.